



EL-8500VA

Advanced Multi-format 4K Presentation Switch



The EL-8500VA is a multi-format scaling HDMI, USB Type C, HDBaseT, and VGA input presentation switch, which allows the user to output at a scaled resolution of the user's choosing over the mirrored HDMI and HDBaseT outputs. The HDMI and USB-C ports support resolutions up to 4K@60 (4:4:4, 8-bit) while the HDBaseT output supports automatic down-conversion of 4K60(4:4:4) sources to 4K60(4:2:0). The VGA inputs support resolutions up to WUXGA. The HDBaseT output provides a great solution to extend your audio and video up to 70 meters (at 4K) over a single run of Cat.5e/6/7 cable as well as providing 48V PoH power to compatible HDBaseT Receivers.

This unit also includes multiple analogue stereo audio inputs and a microphone input along with an amplified analogue stereo output to provide a range of audio routing and mixing flexibility. The built-in audio mixer function allows the user to mix audio from any analogue input with the microphone input for presentation or lecture theatre usage. The ability to switch back and forth between mixed and non-mixed audio simplifies the presentation experience.

A trigger input interface is also provided to allow the easy addition of a remote control keypad, or other trigger-supporting products, which can be installed within a podium or within a table in a conference room or classroom. This interface can allow the user to activate functions with the simple press of a button. Standard control is available via front panel buttons with an On-Screen Display (OSD), Web GUI, Telnet and RS-232.

PANELS



Front View

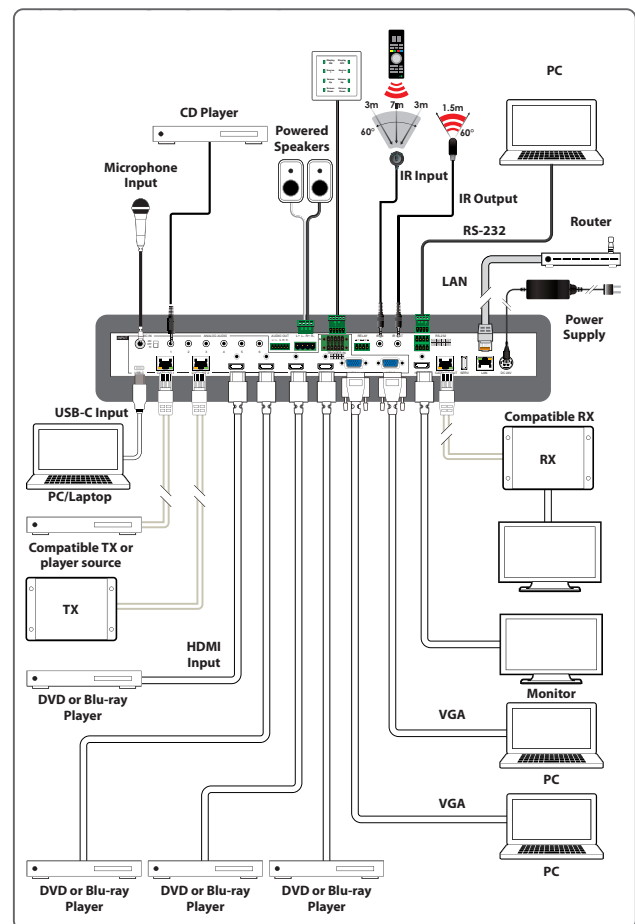


Rear View

FEATURES

- Supports switching and scaling of all AV inputs for display over the mirrored HDMI and HDBaseT outputs
- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output
Note: The HDBaseT output will automatically down-convert 4K50/60(4:4:4) sources to 4K50/60(4:2:0) to maintain compatibility
- HDBaseT output transmits video and audio over a single Cat.5e/6/7 cable up to 100m/328ft at 1080p and 70m/230ft at 4K
- Supports pass-through of many audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Audio mixer function allows the mixing of audio from any analogue input with the microphone input
- Built in 2 x 20 watts audio amplifier
- Trigger Control Keypad support for easy, single-button, function activation (Optional)
- Supports standard 48V PoH from the HDBaseT output (PSE) to a connected HDBaseT receiver (PD) (compatible receivers only)
- Comprehensive EDID and HDCP management (HDCP 2.2)
- Controllable via front panel controls with OSD, RS-232, Telnet, Web GUI, and triggers
- USB for service/firmware updates

DIAGRAM





EL-8300VA

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SPECIFICATIONS

Interfaces

Input Ports	1x USB-C [1x USB-C / Thunderbolt] 2x RJ45 [2x HDBaseT HDMI & Proprietary Data] 4x HDMI [4x HDMI Uncompressed AV and Data] 2x 15pin Dsub [2x VGA RGBHV]
Output Ports	1x HDMI [1x HDMI Uncompressed AV and Data] 1x RJ45 [1x HDBaseT HDMI & Proprietary Data]
Control I/O	1x 3.5mm Stereo mini-jack [1x Infra Red Receiver] 1x 3.5mm Stereo mini-jack [1x Infra Red Emitter] (these are for HDBT pass through) 1x Phoenix (3 pin) [1x RS-232 (3)] 1x RJ45 [1x Control IP] 1x Phoenix (10 pin) [1x Trigger In (8)] 1x Phoenix (4 pin) [1x Relay (4)] 1 Relay(Terminal Block)
Audio	1x 6.35mm Stereo Jack [1x Microphone] 6x 3.5mm Stereo mini-jack [6x Stereo(L/R)] 2x 3.5mm Stereo mini-jack [2x Stereo(L/R)]
Service Port	1 USB (Type-A)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)
HDCP Compliance	2.x
Input Signal Types	4K@60 8-bit YUV 4:4:4, HDR10
Output Signal Types	4K@60 8-bit YUV 4:4:4, HDR10

Resolutions

Maximum Input	HDMI	4096×2160p@60
	HDBaseT	4096×2160p@30
	VGA	1920×1200@60RB
	USB-C	4096×2160p@60
Maximum Output	HDMI	4096×2160p@60
	HDBaseT	4096×2160p@30

Audio

Digital Formats	HDMI	8CH LPCM, Bitstream, HD Bitstream
Analogue Formats	Unbalanced	2 Channel
Line Level	Frequency Response: < ±0.5dB (20Hz to 20kHz) THD: < 0.02% (20Hz to 20kHz) S/N Ratio: > 80dB (1kHz with 0dBFS) Crosstalk: < -80dB (10kHz, Vin=0dBFS)	

Power

Power Supply	24V/6.25A (Locking)
Power Consumption	53.966W

Enclosure

Chassis Material	Metal
Chassis Colour	Black
Dimensions (W×H×D)	432mm×43mm×164mm [Case Only] 432mm×43mm×174mm [All Inclusive]
Weight	4240g

ORDERING INFORMATION

Model No.	Product Description
EL-8500VA	Advanced 4K HDMI, USB Type C, VGA, and HDBaseT Presentation Switch
For Cat5e/6/7 IN	
PUV-1610TX	HDMI over HDBaseT Transmitter (PD)
For Cat5e/6/7 OUT	
PUV-1510RX	HDMI over CAT5e/6/7 Receiver with LAN/IR/RS-232/PoE (PD)
PUV-1530RX	HDCP 2.2 & HDMI2.0 Extender with OAR/Audio Insertion (PD)